

Appl. No. 10/078,042  
Docket No. 8430  
Amdt. dated February 5, 2008  
Reply to Office Action mailed on September 10, 2007  
Customer No. 27752

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (Currently Amended): A system to improve the management of an individual's health, the system including:
  - a. a data measurement mechanism generating data relevant to a particular physical health condition;
  - b. a data acquisition mechanism transferring the data ~~relevant to a particular health condition~~ from the data measurement mechanism to a storage medium, wherein the data acquisition mechanism and the data measurement mechanism are disposed on a single handheld device;
  - c. at least one data analysis mechanism generating information pertaining to the physical health of an individual wherein the data analysis mechanism performs at least one analysis selected from the group of: ~~population comparison~~ statistical control chart techniques based on the historical or recent health data of the individual, multi-variate analysis, attribute data analysis, and reliability engineering analysis; and
  - d. an information presentation mechanism displaying the information pertaining to the health of an individual.
2. (Previously Presented): The system to improve the management of an individual's health according to claim 1 wherein the at least one data analysis mechanism further comprises data analysis software.
3. (Original): The system to improve the management of an individual's health according to claim 1 wherein the at least one data analysis mechanism further comprises automatic or

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triggered recalculation of control limits based on top demonstrated historical performance.

4. (Original): The system to improve the management of an individual's health according to claim 1 wherein the reliability engineering analysis includes time between failures and failure duration.
5. (Original): The system to improve the management of an individual's health according to claim 1 wherein the at least one data measurement mechanism includes a sensor.
6. (Currently Amended): A system to improve the management of an individual's health, the system including:
  - a) a handheld data measurement mechanism generating data relevant to a particular health condition;
  - b) at least one data acquisition mechanism transferring the data ~~relevant to a particular health condition~~ from the data measurement mechanism to a storage medium wherein the at least one data acquisition mechanism is selected from the group: a tablet PC, voice recognition, and telemetry based systems;
  - c) at least one data analysis mechanism generating information pertaining to the health of an individual; and
  - d) an information presentation mechanism displaying the information pertaining to the health of an individual, the displayed information comprising a statistical control chart based on the historical or recent health data of the individual.

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7. (Original): The system to improve the management of an individual's health according to claim 6 wherein the at least one data acquisition mechanism includes a handheld device selected from the group: a PDA and a handheld PC.
8. (Currently amended): A system to improve the management of an individual's health, the system including:
  - a) a data measurement mechanism generating data relevant to a particular health condition of the individual;
  - b) at least one data acquisition mechanism transferring the data from the data measurement mechanism to a storage medium, the data acquisition mechanism being adapted to perform a preliminary analysis on the data and provide an output when the data comprises a value that is outside of a target control limit;
  - c) at least one data analysis mechanism generating information pertaining to the health of the individual, the information including at least one level of intervention when the data comprises a value that is outside of a control limit; and
  - d) an information presentation mechanism displaying to the individual the information pertaining to the health of the individual, wherein the at least one information presentation mechanism is selected from the group: a graphical summary screen, an icon based summary screen, a help guide, an anthropomorphic help guide, and synthesized speech.
9. (Currently amended): A method for improving the health of an individual including the steps of:
  - a. selecting at least one health parameter appropriate for the particular individual based on the individual's medical condition and medical history, current or recent health event(s) of interest, age and/or demographics, or any other health parameter of interest to the individual, caregiver, or medical professional;

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- b. measuring the at least one health parameter of interest and pertinent environmental or qualitative information to produce data;
  - c. acquiring the data for storage and subsequent analysis;
  - d. analyzing the data via at least one data analysis mechanism to define at least one of an out-of-control situation requiring intervention and potential causes or remedies of an out-of-control situation wherein the data analysis mechanism performs at least one analysis selected from the group of: population-comparison statistical control chart techniques based on the historical or recent health data of the individual, multi-variate analysis, attribute data analysis, and reliability engineering analysis;
  - e. presenting the information to the individual, caregiver, or medical professional.
10. (Original): The method for improving the health of an individual according to claim 9 wherein the information presented is selected from the group: statistical analysis, out-of-control points, control rules violations, specification violations, medical limit violations, medical condition related information, advertising for products related to the individual's medical condition or health event, help guides, summary screens.
- 11 – 13. (Canceled)
14. (New): The method for improving the health of an individual according to claim 9, wherein the statistical control chart technique comprises a statistically generated upper control limit of 3 times the standard deviation of the mean of the particular health parameter of interest.
15. (New): The method for improving the health of an individual according to claim 9, wherein the statistical control chart technique comprises a lower control limit of minus 3 times the standard deviation of the mean of the particular health parameter of interest.
16. (New): The method for improving the health of an individual according to claim 14, wherein the out-of-control situation is caused by one or more data points outside of the upper control limit.

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17. (New): The method for improving the health of an individual according to claim 15, wherein the out-of-control situation is caused by one or more data points outside of the lower control limit.
18. (New): The method for improving the health of an individual according to claim 9, wherein the out-of-control situation is caused by the occurrence of 3 consecutive data points within one and a half standard deviations of the mean of the particular health parameter of interest.
19. (New): The method for improving the health of an individual according to claim 9, wherein the out-of-control situation is caused by the occurrence of seven consecutive data points on the same side of the mean of the particular health parameter of interest.
20. (New): The method for improving the health of an individual according to claim 9, wherein the out-of-control situation is caused by the occurrence of 10 out of 11 consecutive data points on the same side of the mean of the particular health parameter of interest.